DT07 R86'd PCT/PT0 A F.B 2005

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TO STATE OF THE PARTY OF THE PA	THE UNITED CITY	
DESIGNATED/ELECTED	OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
CONCERNING A SUBMISSIO	M DIADELLOS	PRIORITY DATE CLAIMED
CONCERNITORIONIO		7 August 2002
INTERNATIONAL APPLICATION NO. PCT/US03/24359	4 August 2003	
TITLE OF INVENTION	CAMEDER AND USES	THEREFOR
SPERM-SPECIFIC CATTON CHAN	NEL, CAISPER4; IMD	I E Clapham
APPLICANT(S) FOR DO/EO/US  Magdalene M. Moran, Jayhon	o A. Chong, Ian Scott Ra	amsey, David E. Claphem
Magdalene M. Moran, Saynon	ates Designated/Elected Office (DO/E	emsey, David E. Claphall  O/US) the following items and other information:
Applicant herewith submits to the Common	name a submission under 35 U.S.C. 3	71.
1. X This is a FIRST submission of items c	onceming a submission under 35 U.S.C. 3	i-an under 35 U.S.C. 371.
This is a SECOND or SUBSEQUENT	submission of items concerning a submiss	include items
2. Inis is a SECOND ST TE	tional examination procedures (35 U.S.C.	371(f)). The submission must include items
3. This is an express request to begin its (5), (6), (9) and (21) indicated below.	moral exercises	
l ·		
4. X The US has been elected (Article 31)		
5. X A copy of the International Applicat	ion as filed (35 U.S.C. 37 1(C)(2))	stand Rureau)
is attached hereto (requir	ed only if not communicated by the Interna	RIOTAL Dureau).
	by the International Bureau.	
b. has been communicated	oplication was filed in the United States Re	ceiving Office (RO/US).
c. is not required, as the ar	oplication was need in the second (35 L	u.s. C. 371(c)(2)).
6. An English language translation of	the International Application as filed (35 L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
is attached hereto.		
in the state out	bmitted under 35 U.S.C. 154(d)(4).	
b. has been previously su	International Application under PCT Article	e 19 (35 U.S.C. 371(c)(3))
7. Amendments to the claims of the	International Application arrest by the in	temational Bureau).
are attached hereto (r	equired only if not communicated by the in	Contained
· <del></del>	eted by the International Bureau.	
b. have been community	however, the time limit for making such ar	nendments has NOT expired.
c. have not been made,	tioners, and	
d. A have not been made	and will not be made.	CT Article 19 (35 U.S.C. 371(c)(3)).
8. An English language translation	of the amendments to the claims under P	0,7,4,000
9. An oath of declaration	of the annexes of the International Prelim	inary Examination Report under POT
10. An English language translation Article 36 (35 U.S.C. 371(c)(5))	of the annoxed see	1
Items 11 to 20 below concern docum	pent(s) or information included:	
11. An Information Disclosure State	ement under 37 CFR 1.97 and 1.98.	ance with 37 CFR 3.28 and 3.31 is included.
12. An assignment document for re	ecording. A separate cover sheet in comple	ance with 37 CFR 3.28 and 3.31 is included.
	4	
	or 37 CFR 1.76.	Į.
14. An Application Data Sheet und		
15. A substitute specification.		·
L L	ange of address letter.	1 4945-2 and 37 CFR 1.821- 1.825.
- the modelle form of	the sequence listing in accordance with Fo	CT Rule 13 <i>ter.</i> 2 and 37 CFR 1.821- 1.825.
	Annlication under 35 U.S.	2. 10 (-)(-)
18. A second copy of the publish	language translation of the international a	pplication under 35 U.S.C. 154(d)(4).
19. A second copy of the English	language translation of the international of	pplication under 35 U.S.C. 154(d)(4).  copy of Sequence listing, Return Post a
- information:	Written Opinion, Paper	COPY OF SEQUENCE AND A SEQUENCE OF SEQUENC

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, Including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. at the complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Determined the complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Determined the complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Determined the complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Determined the complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Patent and Trademark

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PTO-1390 (Rev. 02-2005)

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				\$300	\$ 300.00	
Basic national fee      Examination fee     Sign of the provision of					\$200.00	
f International preliminary PCT Article 33(1)-(4)					\$400.00 \$900.00	
	Il other situations					
Additional fee sequence lis	for specification ting or computer page 1250 for each additional for the computer page 1250 for each additional f	and drawings filed program listing filed ional 50 sheets of	I in paper over 100 sheets (e d in an electronic medium). paper or fraction thereof.	xcluding	-	
Total Sheets	Extra Sheets	At the of oach	n additional 50 or fraction up to a whole number)	RATE	-	
	150 =			x \$250	\$	
- 100 =   /50 =    Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					\$	
	ate (37 CFTC 1:40	BER FILED	NUMBER EXTRA	RATE	\$	
CLAIMS		74 - 20 =	54	x \$ 50	\$ 2700	
Total claims			2.2	x \$200	\$4400	
Independent da	ims	2 5- 3 =	22	+ \$360	\$	
MULTIPLE DEF	ENDENT CLAIM	(S) (if applicable)	TOTAL OF ABOV	E CALCULATIONS	= \$ 7100	
			TOTAL OF ABOV	uced by ½.		
X Applicant c	laims small entity	status. See 37 CF	R 1.27. Fees above are red	SUBTOTAL	= \$ 8000	
				• • • • • • • • • • • • • • • • • • • •		
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earlie claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE					= \$ 4000	
Fee for recordi	ng the enclosed a ate cover sheet (3	ussignment (37 CF 37 CFR 3.28, 3.31	R 1.21(h)). The assignment ). \$40.00 per property	L FEES ENCLOSED	s = \$.4000	
		T LEE2 ENCTORED	Amount to be	\$		
					refunded: Amount to be	\$ 4000
			to cover the	above fees is enclos	charged:	
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1.67 6	are to be charg	ed to a credit card	I. WARNING: Information on	orization on PTO-20	38. revive (37 <b>Ç</b> FR 1.1 <b>/</b> 87(a	a) or (b)) must be filed
and granted	1 to testore are		edit card information and aud r 37 CFR 1.495 has not bee lication to pending status.	in mer, a pennon to	1) Hell	
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